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THE FLORA OF NORTHAMPTON COUNTY, PENNSYLVANIA

BY WILBUR L. KING

(Continued from June Torreya)

CERATOPHYLLACEAE

CERATOPHYLLUM DEMERSUM L. In ponds and slow streams. (Porter.)

MAGNOLIACEAE

LIRIODENDRON TULIPIFERA L. Along Lehigh river; on Calypso Island, Bethlehem.

RANUNCULACEAE

- CALTHA PALUSTRIS L. In meadows along Saucon creek near Hellertown.
TROLLIUS LAXUS Salisb. In swamps. (Porter.)
COPTIS TRIFOLIA (L.) Salisb. In damp, mossy woods and bogs. (Porter.)
CIMICIFUGA RACEMOSA (L.) Nutt. In rich woods on Lehigh Mt. near Lehigh University; also along Saucon creek. July 1, 1899.
AQUILEGIA CANADENSIS L. In shady places on limestone rocks along Monocacy creek several miles north of Bethlehem and in similar situations along the Lehigh river 1 mile east of Bethlehem. May 9, 1896.
DELPHINIUM AJACIS L. In waste places. (Porter.)
DELPHINIUM CONSOLIDA L. In waste places, Bethlehem.
ANEMONE VIRGINIANA L. In thickets along Lehigh canal between Bethlehem and Freemansburg. July, 1897.
ANEMONE CANADENSIS L. Found for a single season (in 1868) on Calypso Island and since extinct. (Reported in Bethlehem Times July 22, 1878.)
ANEMONE RIPARIA Fernald. On river banks. (Porter.)
ANEMONE QUINQUEFOLIA L. In moist woods along Monocacy creek 1½ miles north of Bethlehem. May 1, 1897.
HEPATICA HEPATICA (L.) Karst. In rich woods, Lehigh Mt.; also 2 miles north of Bethlehem along Monocacy creek. Apr. 24, 1897.
SYNDESMON THALICTROIDES (L.) Hoffmg. In woods, Lehigh Mt. April 28, 1896.
CLEMATIS VIRGINIANA L. Climbing over bushes in dry soil at Glendon. Aug. 20, 1899.
ATRAGENE AMERICANA Sims. A trailing vine. (Porter.)
RANUNCULUS REPTANS L. On shores. (Porter.)
RANUNCULUS ABORTIVUS L. In woods and shady places, Bethlehem. April 28, 1897.
RANUNCULUS RECURVATUS Poir. In woods on Lehigh Mt. May 22, 1898.
RANUNCULUS ACRIIS L. In meadows along Monocacy and Saucon creeks; in moist soil along Lehigh canal, Bethlehem. June 5, 1900.
RANUNCULUS BULBOSUS L. In fields near Bethlehem. Common. Aug. 18, 1896.
RANUNCULUS PENNSYLVANICUS L. f. In wet open places. (Porter.)
RANUNCULUS REPENS L. In fields and roadsides. (Porter.)
RANUNCULUS SEPTENTRIONALIS Poir. In swamps along Monocacy creek. May 17, 1897.
RANUNCULUS HISPIDUS Michx. In copses on Lehigh Mt. at altitude of about 900 feet. May 30, 1898.
THALICTRUM DIOICUM L. In woods on Lehigh Mt.; also along Monocacy creek. April 30, 1896.
THALICTRUM PURPURASCENS L. In woodlands. (Porter.)
THALICTRUM POLYGAMUM Muhl. In moist soil along bank of Lehigh river near South Bethlehem. July 15, 1899.

BERBERIDACEAE

- BERBERIS VULGARIS L. In thickets. (Porter.)
 CAULOPHYLLUM THALICTROIDES (L.) Michx. In woods. (Porter.)
 PODOPHYLLUM FELTATUM L. In moist shady soil along Lehigh river 1 mile east of Bethlehem; along Saucon creek.

MENISPERMACEAE

- MENISPERMUM CANADENSE L. In thickets, Bethlehem. June 5, 1902.

LAURACEAE

- SASSAFRAS SASSAFRAS (L.) Karst. In dry woods, Lehigh Mt. May 6, 1900.
 BENZOIN BENZOIN (L.) Coult. In moist woods, Lehigh Mt. and along Lehigh river east of Bethlehem and along Monocacy creek north of Bethlehem. April 22, 1897.

PAPAVERACEAE

- PAPAVER SOMNIFERUM L. In waste grounds. (Porter.)
 PAPAVER RHOEAS L. In waste ground along Monocacy creek. Occasionally. June 20, 1901.
 PAPAVER DUBIUM L. In waste and cultivated grounds. (Porter.)
 ARGEMONE MEXICANA L. In waste places. (Porter.)
 SANGUINARIA CANADENSIS L. In rich woods, Lehigh Mt. near South Bethlehem; along Monocacy creek 2 miles north of Bethlehem. April 28, 1896.
 CHELIDONIUM MAJUS L. Along roadsides and waste places about Bethlehem. Common. May 9, 1898.
 GLAUCIUM CORNICULATUM Curtis. On African iron ore in grounds of the Bethlehem Steel Co. (E. A. Rau in Bull. Torr. Club 8: 114. 1881.)
 BICUCULLA CUCULLARIA (L.) Millsp. In rich soil in thickets along Lehigh river one mile east of Bethlehem. Local and rare. April 21, 1896.
 FUMARIA OFFICINALIS (L.) In waste places and on ballast. (Porter.)

CRUCIFERAE

- LEPIDIUM CAMPESTRE (L.) R. Br. In waste places, Bethlehem. July 25, 1899.
 LEPIDIUM RUDERALE L. In waste places and along roadsides. (Porter.)
 LEPIDIUM VIRGINICUM L. Common along roadsides and waste places, Bethlehem.
 SISYMBRIUM OFFICINALE (L.) Scop. Common in waste places, Bethlehem. May 23, 1899.
 SISYMBRIUM ALTISSIMUM L. In waste places, Bethlehem. Rare. July 1, 1899.
 SINAPIS ALBA L. In waste places, Bethlehem. July 30, 1904.
 BRASSICA NIGRA (L.) Koch. In fields and waste places. (Porter.)
 BRASSICA JUNCEA (L.) Cosson. In waste places. (Porter.)
 BRASSICA ARVENSIS (L.) B. S. P. In waste places, Bethlehem.
 BRASSICA CAMPESTRIS L. In cultivated grounds and occasionally in waste places.
 BRASSICA OLERACEA L. Has been found as an escape. (Porter.)
 RAPHANUS RAPHANISTRUM L. In fields and waste places, Bethlehem.
 RAPHANUS SATIVUS L. Cultivated and occasionally spontaneous in waste places.
 RAPISTRUM RUGOSUM (L.) All. On old road on College Hill, Easton. (Porter.)
 BARBAREA BARBAREA (L.) MacM. In fields and waste places; also in moist ground along Monocacy and Saucon Creeks. May 20, 1897.
 BARBAREA STRICTA Andr. In fields and waste places. (Porter.)
 BARBAREA PRAECOX (J. E. Smith) R. Br. In waste places. (Porter.)
 RORIPA SYLVESTRIS (L.) Bess. In low grounds and waste places. (Porter.)

- RORIPA PALUSTRIS (L.) Bess. In wet soil along bank of Lehigh river, Bethlehem. In fruit July 10, 1899.
 RORIPA HISPIDA (Desv.) Britton. In wet places. (Porter.)
 RORIPA NASTURTIUM (L.) Rusby. In springs along Saucon creek; in Monocacy creek 2 miles north of Bethlehem. In fruit and flower July 23, 1900.
 RORIPA ARMORACIA (L.) A. S. Hitchcock. In moist ground, Bethlehem.
 CARDAMINE PENNSYLVANICA Muhl. Along mountain stream near Lehigh University. In fruit and flower May 30, 1900. Altitude 850 feet.
 CARDAMINE PARVIFLORA L. On dry rocks. (Porter.)
 CARDAMINE FLEXUOSA With. In wet woods, streams, and mountain swamps. (Porter.)
 CARDAMINE BULBOSA (Schreb.) B. S. P. In wet meadows along Monocacy creek 1 mile north of Bethlehem. May 13, 1897.
 DENTARIA LACINIATA Muhl. In moist or rich woods. (Porter.)
 BURSA BURSA-PASTORIS (L.) Britton. Common in fields, roadsides and waste grounds. Bethlehem. May 23, 1899.
 CAMELINA MICROCARPA Andrz. In vacant lots and roadsides, Bethlehem. June 1, 1902.
 DRABA VERNA L. In fields at Seidersville. April 28. (G. W. Caffrey.)
 SOPHIA SOPHIA (L.) Britton. At Bethlehem. June and July. (G. W. Caffrey.)
 STENOPHRAGMA THALIANA (L.) Celak. In fields, Bethlehem. April 17, 1898.
 ARABIS LYRATA L. In rocky soil one mile east of Bethlehem; also in Allen township. May 9, 1896.
 ARABIS HIRSUTA (L.) Scop. In rocky places. (Porter.)
 ARABIS LAEVIGATA (Muhl.) Poir. In rocky woods. (Porter.)
 ARABIS CANADENSIS L. In woodland along Monocacy creek near Bethlehem.
 ARABIS GLABRA (L.) Bernh. In field and rocky places along Delaware river above Easton. (Porter.)
 ERYSIMUM REPANDUM L. On ore dumps in Bethlehem Steel Co.'s yards. Reported in Torrey Bulletin, Jan., 1892.
 ALYSSUM ALYSSOIDES (L.) Gouan. In fields. (Porter.)
 KONIGA MARITIMA (L.) R. Br. In waste places, escaped. (Porter.)
 HESPERIS MATRONALIS L. In fields and along roadsides. (Porter.)
 CONRINGIA ORIENTALIS (L.) Dumort. In waste places, Bethlehem.

RESEDACEAE

- RESEDA LUTEA L. On pile of African iron ore on grounds of Bethlehem Steel Co. (E. A. Rau in Bull. Torr. Club 8: 114. 1881.)

DROSERACEAE

- DROSERA ROTUNDIFOLIA L. In bogs and wet sand. (Porter.)

PODOSTEMACEAE

- PODOSTEMON CERATOPHYLLUM Michx. In shallow streams. (Porter.)

CRASSULACEAE

- SEDUM THELEPHIUM L. In fields and along roadsides. (Porter.)
 SEDUM TELEPHIOIDES Michx. In dry soil near Bethlehem.
 SEDUM ACRE L. On rocks and along roadsides. (Porter.)
 SEDUM TERNATUM Michx. Spreading freely in the Old Moravian cemetery, Bethlehem. May 20, 1899.
 PENTHORUM SEDOIDES L. In wet soil along bank of Lehigh river. Bethlehem. July 15, 1899.

SAXIFRAGACEAE

- SAXIFRAGA PENNSYLVANICA L. In swamps and on wet banks. (Porter.)
 SAXIFRAGA MICRANTHIDIFOLIA (Haw.) B. S. P. In cold brooks, Bethlehem. (Britton & Brown Illus. Flora, Vol. 2, page 174.)

- SAXIFRAGA VIRGINIENSIS* Michx. In dry soil along Lehigh river between Bethlehem and Freemansburg. Common. April 30, 1896.
HEUCHERA AMERICANA L. In rocky woods near South Bethlehem. June 20, 1901.
MITELLA DIPHYLLO L. In rocky woods, Lehigh Mt. April 30, 1896.
CHRYSOPTERIDIUM AMERICANUM Schwein. In wet shady places along mountain streams near Lehigh University. Aug. 18, 1900. Altitude 850 feet.
PARNASSIA CAROLINIANA Michx. In swamps and low meadows. (Porter.)
HYDRANGEA ARBORESCENS L. In rocky woodland near South Bethlehem.
PHILADELPHUS INODORUS L. Escaped from cultivation, Easton. (Porter.)

GROSSULARIACEAE

- RIBES OXYACANTHOIDES* L. In wet woods and low grounds. (Porter.)
RIBES UVA-CRISPA L. In dry soil along towpath of Lehigh canal near Bethlehem. May 12, 1902.
RIBES FLORIDUM L'Her. In dry soil along towpath near Bethlehem. May 1.
RIBES RUBRUM L. In cold woods, freely escaping. (Porter.)

HAMAMELIDACEAE

- HAMAMELIS VIRGINIANA* L. Along Lehigh river near Bethlehem. Oct. 1, 1896.

PLATANACEAE

- PLATANUS OCCIDENTALIS* L. Along banks Lehigh river, Bethlehem to Easton. May 12, 1901.

ROSACEAE

- OPULASTER OPULIFOLIUS* (L.) Kuntze. Along Lehigh river east of Bethlehem. June 1, 1897.
SPIRAEA SALICIFOLIA L. In woods between Bethlehem and Easton.
SPIRAEA TOMENTOSA L. In swamps and low grounds. (Porter.)
PORTERANTHUS TRIFOLIATUS (L.) Britton. In woods near Wind Gap. June 3, 1890.
RUBUS ODORATUS L. In woods near South Bethlehem. July 15, 1899.
RUBUS STRIGOSUS Michx. In dry or rocky situations. (Porter.)
RUBUS OCCIDENTALIS L. In thickets along towpath between Bethlehem and Freemansburg. May 20, 1900.
RUBUS VILLOSUM Ait. In thickest and in dry soil along canal; also at Nazareth. May 27, 1900.
RUBUS RANDII (Bailey) Rydb. In dry soil. (Porter.)
RUBUS HISPIDUS L. In swamps or low grounds. (Porter.)
RUBUS BAILEYANUS Britton. In dry woods and thickets. (Porter.)
RUBUS CANADENSIS L. In fields and in dry soil in Lower Saucon and near Bethlehem. May 30, 1899.
FRAGARIA VIRGINIANA Duchesne. In dry soil near Bethlehem. May 8, 1897.
FRAGARIA VESCA L. In fields and roadsides, Bethlehem.
DUCHESNEA INDICA (Andr.) Focke. On roadsides, Bethlehem. In fruit and flower Sept. 20, 1902.
POTENTILLA ARGUTA Pursh. On dry or rocky hillsides along Delaware river at Easton. (Porter.)
POTENTILLA ARGENTEA L. In dry soil along the Delaware river, Easton. (Porter.)
POTENTILLA MONSPELIENSIS L. In fields and waste places, Bethlehem.
POTENTILLA CANADENSIS L. In dry soil, Bethlehem. May 13, 1897.
POTENTILLA PUMILA Poir. In poor soil. (Porter.)
WALDSTEINIA FRAGARIOIDES (Michx.) Tratt. Wooded and shaded hillsides. (Porter.)
GEUM CANADENSE Jacq. In thickets and shaded places, Bethlehem. July 10, 1899.
GEUM VIRGINIANUM L. In low grounds. (Porter.)

GEUM FLAVUM (Porter) Bicknell. In woods. (Porter.)
 GEUM STRICTUM Ait. In swamps or low grounds. (Porter.)
 AGRIMONIA HIRSUTA (Muhl.) Bicknell. In woods near South Bethlehem.
 AGRIMONIA MOLLIS (T. & G.) Britton. Dry woods and thickets. (Porter.)
 AGRIMONIA BRITTONIANA Bicknell. Along thickets and roadsides. (Porter.)
 AGRIMONIA PARVIFLORA Soland. In wet soil along Lehigh river at Island Park. Aug. 25, 1902.
 SANGUISORBA CANADENSIS L. In swamps and low meadows. (Porter.)
 ROSA CAROLINA L. In low grounds and swamps. (Porter.)
 ROSA HUMILIS Nash. In dry or rocky soil. (Porter.)
 ROSA LUCIDA Ehrh. On shores or in dry or sandy soil. (Porter.)
 ROSA CANINA L. In waste places and along roadsides. (Porter.)
 ROSA RUBIGINOSA L. In waste places. (Porter.)

POMACEAE

MALUS CORONARIA (L.) Mill. Along Saucon creek. (J. A. Ruth.)
 MALUS MALUS (L.) Britton. Occasionally in woods and thickets.
 ARONIA ARBUTIFOLIA (L.) Ell. In swamps and wet woods. (Porter.)
 ARONIA NIGRA (Willd.) Britton. In swamps and low woods and sometimes in drier soil. (Porter.)
 AMELANCHIER CANADENSIS (L.) Medic. In woods, Lehigh Mt., April 24, 1897.
 AMELANCHIER BOTRYAPIUM (L. f.) DC. In swamps and moist soil. (Porter.)
 AMELANCHIER SPICATA (Lam.) Dec. In dry rocky places. (Porter.)
 CRATAEGUS PUNCTATA Jacq. In thickets. (Porter.)
 CRATAEGUS PUNCTATA CANESCENS Britton. Near Easton. (Porter.)
 CRATAEGUS OXYACANTHA L. Along roadsides and in thickets, sparingly escaped from cultivation, Bethlehem.
 CRATAEGUS COCCINEA L. In woods along Lehigh river near Bethlehem. May 17, 1897.
 CRATAEGUS ROTUNDIFOLIA (Ehrh.) Borck. In open woods. (Porter.)
 CRATAEGUS MACRACANTHA Lodd. In rocky soil and thickets, Bethlehem. May 27, 1897.
 CRATAEGUS TOMENTOSA L. In thickets. (Porter.)
 CRATAEGUS UNIFLORA Muench. In sandy soil. (Porter.)

DRUPACEAE

PRUNUS AMERICANA Marsh. In woods and thickets. (Porter.)
 PRUNUS PUMILA L. On sand or gravel shores. (Porter.)
 PRUNUS CUNEATA Raf. In wet soil or among rocks. (Porter.)
 PRUNUS CERASUS L. In thickets along Lehigh river between Bethlehem and Freemansburg.
 PRUNUS AVIUM L. In thickets and woodlands. (Porter.)
 PRUNUS PENNSYLVANICA L. f. In rocky woods and clearings. (Porter.)
 PRUNUS MAHALEB L. Thickets and waste places. (Porter.)
 PRUNUS VIRGINIANA L. Along bank of Lehigh river and in rocky situations.
 PRUNUS SEROTINA Ehrh. In fields about Bethlehem. May 23, 1899.
 AMYGDALUS PERSICA L. Escaped from cultivation in waste places, Bethlehem.

CAESALPINACEAE

CASSIA NICTITANS L. In dry soil $\frac{1}{2}$ mile east of Bethlehem.
 CASSIA MARYLANDICA L. In moist sandy soil along Lehigh river near Bethlehem. Aug. 5, 1899.
 GLEDITSIA TRIACANTHOS L. In dry soil, Bethlehem.

PAPILIONACEAE

BAPTISIA TINCTORIA (L.) R. Br. In woods on Lehigh Mt. July 22, 1899. Altitude 900 feet.
 CROTALARIA SAGITTALIS L. In dry open places. (Porter.)

- CYTISUS SCOPARIUS (L.) Link. Grown on banks along P. & R. Ry. between Bethlehem and Hellertown as an experiment to prevent rain washing the soil on the tracks in the cuts. May 20, 1896.
- MEDICAGO SATIVA L. In fields and waste places. (Porter.)
- MEDICAGO LUPULINA L. In waste places, Bethlehem.
- MEDICAGO DENTICULATA Willd. On ore dumps in Bethlehem Steel Co.'s yard. Reported in Bull. Torrey Club 19: 9. 1892.
- MELILOTUS ALBA Desv. In waste places along Lehigh canal $\frac{1}{2}$ mile east of Bethlehem. July 13, 1898.
- MELILOTUS OFFICINALIS (L.) Lam. In waste places, Bethlehem.
- MELILOTUS INDICA (L.) All. On ore dumps in Bethlehem Steel Co.'s yards. Reported in Bull. Torrey Club 19: 9. 1892.
- TRIFOLIUM AGRARIUM L. In fields and waste places, Bethlehem.
- TRIFOLIUM PROCUMBENS L. In fields, Bethlehem. Frequent.
- TRIFOLIUM INCARNATUM L. In fields, waste places and ballast. (Porter.)
- TRIFOLIUM ARVENSE L. In fields near Bethlehem.
- TRIFOLIUM PRATENSE L. In fields and roadsides.
- TRIFOLIUM MARITIMUM Huds. Found at Bethlehem. (Porter.)
- TRIFOLIUM HYBRIDUM L. In fields and waste places. (Porter.)
- TRIFOLIUM REPENS L. In fields and waste places, Bethlehem. July 22, 1899.
- CRACCA VIRGINIANA L. In thickets between Bethlehem and Nazareth; also at Wind Gap July 2. Altitude about 978 feet. (G. W. Caffrey.)
- ROBINIA PSEUDACACIA L. In woods, Bethlehem. May 18, 1899.
- STYLOSANTHES BIFLORA (L.) B. S. P. In dry soil. (Porter.)
- MEIBOMIA NUDIFLORA (L.) Kuntze. In woods, Bethlehem. Aug. 25, 1900.
- MEIBOMIA GRANDIFLORA (Walt.) Kuntze. In woods on Lehigh Mt. July 22, 1899.
- MEIBOMIA MICHAUXII Vail. In dry woodland along Monocacy creek $\frac{1}{2}$ mile north of Bethlehem. Sept. 7, 1899.
- MEIBOMIA OCHROLEUCA (M. A. Curtis) Kuntze. In woodlands. (Porter.)
- MEIBOMIA BRACTEOSA (Michx.) Kuntze. In thickets. (Porter.)
- MEIBOMIA PANICULATA (L.) Kuntze. In meadows along Monocacy creek 1 mile north of Bethlehem. Aug. 12, 1899.
- MEIBOMIA LAEVIGATA (Nutt.) Kuntze. In dry woods. (Porter.)
- MEIBOMIA VIRIDIFLORA (L.) Kuntze. In dry woods. (Porter.)
- MEIBOMIA DILLENII (Darl.) Kuntze. In meadows near Bethlehem. Aug. 12, 1899.
- MEIBOMIA CANADENSIS (L.) Kuntze. In sandy soil along Lehigh river near Bethlehem. Aug. 5, 1899.
- MEIBOMIA RIGIDA (Ell.) Kuntze. In dry soil, Easton. Aug. 24, 1889.
- MEIBOMIA MARYLANDICA (L.) Kuntze. In dry soil and in copses. (Porter.)
- MEIBOMIA OBTUSA (Muhl.) Vail. In dry soil. (Porter.)
- LESPEDEZA REPENS (L.) Bart. In dry or sandy soil. (Porter.)
- LESPEDEZA PROCUMBENS Michx. In dry soil. (Porter.)
- LESPEDEZA NUTTALLII Darl. In dry soil. (Porter.)
- LESPEDEZA VIOLACEA (L.) Pers. In dry rocky soil in Monocacy valley $2\frac{1}{2}$ miles north of Bethlehem. Sept. 3, 1899.
- LESPEDEZA VIRGINICA (L.) Britton. In dry soil. (Porter.)
- LESPEDEZA HIRTA (L.) Ell. In dry soil. (Porter.)
- VICIA CRACCA L. In dry soil. (Porter.)
- VICIA AMERICANA Muhl. In ballast along railroad $1\frac{1}{2}$ miles north of Bethlehem. June 20, 1901.
- VICIA CAROLINIANA Walt. On river banks and cliffs. (Porter.)
- VICIA HIRSUTA (L.) Koch. On ore dumps in Bethlehem Steel Co.'s yards. Reported in Bull. Torrey Club 19: 9. 1892.
- VICIA SATIVA L. In field at Bethlehem. Fruit mature in July.
- LATHYRUS VENOSUS Muhl. At Bethlehem. (Porter.) On rocky hillsides in Allen township. June 3, 1901.
- LATHYRUS MYRTIFOLIUS Muhl. In ballast along C. R. R. of N. J. tracks east of Bethlehem. (G. W. Caffrey.)
- FALCATA COMOSA (L.) Kuntze. In thickets at Island Park. Aug. 25, 1902.

- APIOS APIOS (L.) MacM. In moist soil. (Porter.)
 PHASEOLUS POLYSTACHYUS (L.) B. S. P. (Porter.) In dry soil along canal near Bethlehem; along Delaware river, Easton. Aug., 1896.
 STROPHOSTYLES HELVOLA (L.) Britton. In sandy soil, Bethlehem. (Porter.)

GERANIACEAE

- GERANIUM MACULATUM L. In moist woods in Saucon valley, Monocacy valley and on Lehigh Mt. Ascends about 900 feet. May 13, 1897.
 GERANIUM CAROLINIANUM L. In dry soil along Saucon creek, 1 mile from its mouth.
 GERANIUM PUSILLUM L. In waste places. (Porter.)

OXALIDACEAE

- OXALIS VIOLACEA L. In woods, Bethlehem. May 30, 1899.
 OXALIS STRICTA L. In woods, fields and roadsides, Bethlehem. Common. Aug. 12, 1899.
 OXALIS CYMOsa Small. In woods and fields. (Porter.)

LINACEAE

- LINUM USITATISSIMUM L. In ballast along Lehigh Valley R. R. near Bethlehem. July 10, 1900.
 LINUM VIRGINIANUM L. In woodland between Bethlehem and Easton. July 22, 1911.
 LINUM STRIATUM Walt. In bogs and swamps. (Porter.)

ZYGOPHYLLACEAE

- TRIBULUS TERRESTRIS L. On ore dumps in Bethlehem Steel Co.'s yards. Reported in Torrey Bulletin, Jan., 1892.

RUTACEAE

- XANTHOXYLUM AMERICANUM Mill. In woods and thickets. (Porter.)
 PTELEA TRIFOLIATA L. In woods. (Porter.)

SIMARUBACEAE

- AILANTHUS GLANDULOSA Desf. Escaped along roadsides. (Porter.) Several large trees growing in cultivation in Bethlehem.

POLYGALACEAE

- POLYGALA VERTICILLATA L. In moist soil near South Bethlehem. (J. A. Ruth.)
 POLYGALA VIRIDESCENS L. In meadows at Wind Gap.
 POLYGALA SENEGA L. In woods on Lehigh Mt. Ascends to 900 feet. May 30, 1898.
 POLYGALA PAUCIFOLIA Willd. In moist rich woods. (Porter.)

EUPHORBIACEAE

- ACALYPHA VIRGINICA L. In waste places and thickets, Bethlehem. Aug. 5, 1899.
 EUPHORBIA MACULATA L. (Porter.)
 EUPHORBIA HIRSUTA (Torr.) Wiegand. In sandy or gravelly soil. (Porter.)
 EUPHORBIA NUTANS Lag. In fields and waste places, Bethlehem.
 EUPHORBIA COROLLATA L. In dry and rocky soil 1 mile east of Bethlehem. Aug. 30, 1898.
 EUPHORBIA MARGINATA Pursh. In waste places, Bethlehem. Occasionally.
 EUPHORBIA LATHYRIS L. In waste places. (Porter.)
 EUPHORBIA PEPLUS L. On ore dumps in Bethlehem Steel Co.'s yard. Reported in Bull. Torrey Club 19: 10. 1892.

- EUPHORBIA TERRACINA L. On ore dumps in Bethlehem Steel Co.'s yard.
Reported in Bull. Torrey Club 19: 10. 1892.
EUPHORBIA CYPARISSIAS L. In waste places, Bethlehem. May 1898.

CALLITRICHACEAE

- CALLITRICHE PALUSTRIS L. Mostly in cold and running water. (Porter.)
CALLITRICHE HETEROPHYLLA Pursh. In ponds and slow streams. (Porter.)

LIMNANTHACEAE

- FLOERKEA PROSERPINACOIDES Willd. In marshes and along rivers. (Porter.)

ANACARDIACEAE

- RHUS COPALLINA L. In dry soil along Lehigh river. July 22, 1899.
RHUS HIRTA (L.) Sudw. In dry soil along Lehigh river. July 22, 1899.
RHUS GLABRA L. In dry soil near Bethlehem. July 10, 1899.
RHUS VERNIX L. In swamps. (Porter.)
RHUS RADICANS L. In thickets along streams and is only too common along the Lehigh canal; also in Monocacy valley.
COTINUS COTINOIDES (Nutt.) Britton. Escaped from cultivation, Easton. (Porter.)

ILICACEAE

- ILEX VERTICILLATA (L.) A. Gray. In swamps. (Porter.)
ILICOIDES MUCRONATA (L.) Britton. In swamps. (Porter.)

CELASTRACEAE

- EUONYMUS ATROPURPUREUS Jacq. In moist soil along Saucon creek 1 mile from its mouth.
EUONYMUS EUROPAEUS L. Escaped from cultivation. (Porter.)
CELASTRUS SCANDENS L. In dry soil along Lehigh river between Bethlehem and Freemansburg, May 30, 1900; along Monocacy valley near Bethlehem. In fruit Nov. 1.

STAPHYLEACEAE

- STAPHYLEA TRIFOLIA L. In thickets along Lehigh canal between Bethlehem and Freemansburg. May 12, 1902.

ACERACEAE

- ACER SACCHARINUM L. Along streams. (Porter.) Extensively used as shade trees in Bethlehem.
ACER RUBRUM L. On banks of Lehigh river near South Bethlehem.
ACER SACCHARUM Marsh. In rich woods. (Porter.)
ACER NIGRUM Michx. (Porter.)
ACER SPICATUM Lam. In damp, rocky woods. (Porter.)
ACER NEGUNDO L. Along streams. (Porter.)

HIPPOCASTANACEAE

- ÆSCULUS HIPPOCASTANUM L. Escaped from cultivation, Easton. (Porter.)

BALSAMINACEAE

- IMPATIENS BIFLORA Walt. In wet grounds along Monocacy and Saucon creeks. Aug. 12, 1899.
IMPATIENS AUREA Muhl. In moist soil along Lehigh river and Monocacy creek. July 22, 1899.

RHAMNACEAE

- RHAMNUS CATHARTICA L. In dry soil, Easton. (Porter.)
 RHAMNUS LANCEOLATA Pursh. In woodland near Wind Gap.
 CEANOTHUS AMERICANUS L. In woods between Easton and Bethlehem;
 also on Lehigh Mt. near Lehigh University. July 1, 1900.

VITACEAE

- VITIS AESTIVALIS Michx. In dry soil along Lehigh river.
 VITIS BICOLOR Le Conte. In woods. (Porter.)
 VITIS VULPINA L. Along Lehigh river in dry soil. June 3, 1899.
 VITIS CORDIFOLIA Michx. In moist thickets and along streams. (Porter.)
 PARTHENOCISSUS QUINQUEFOLIA (L.) Planch. In dry soil and in thickets near Bethlehem.

TILIACEAE

- TILIA AMERICANA L. Along bank of Lehigh River near Bethlehem.

MALVACEAE

- ALTHAEA ROSEA Cav. Has escaped from gardens. (Porter.)
 MALVA SYLVESTRIS L. In waste places and along roadsides. (Porter.)
 MALVA ROTUNDIFOLIA L. In waste places and about dwellings, Bethlehem.
 MALVA MOSCHATA L. In waste places. (Porter.)
 MALVA ALCEA L. A few specimens found in a meadow along Saucon creek
 about 2 miles from its mouth. Sept. 4, 1900.
 ABUTILON ABUTILON (L.) Rusby. In waste places, Bethlehem.
 HIBISCUS TRIONUM L. In waste places. (Porter.)
 HIBISCUS SYRIACUS L. Escaped from cultivation, Bethlehem.

HYPERICACEAE

- HYPERICUM ASCYRON L. Along bank of Lehigh river, Bethlehem. July 15,
 1899.
 HYPERICUM ELLIPTICUM Hook. In sandy soil on Calypso Island. Aug., 1899.
 HYPERICUM PERFORATUM L. In fields, Bethlehem.
 HYPERICUM MACULATUM Walt. In woods near South Bethlehem. (J. A.
 Ruth.)
 HYPERICUM MUTILUM L. In moist grounds along mountain stream, Lehigh Mt.
 HYPERICUM CANADENSE L. In wet, sandy soil. (Porter.)
 SAROTHTRA GENTIANOIDES L. In sandy soil. (Porter.)
 TRIADENUM VIRGINICUM (L.) Raf. In swamps. (Porter.)

CISTACEAE

- HELIANTHEMUM CANADENSE (L.) Michx. In dry soil on Lehigh Mt. (J. A.
 Ruth.)
 LECHEA RACEMULOSA Michx. In dry sandy or rocky soil. (Porter.)
 LECHEA VILLOSA Ell. In dry soil. (Porter.)
 LECHEA INTERMEDIA Leggett. In dry open places. (Porter.)

(To be continued)

NEWS ITEMS

The statement on page 120 of May TORREYA that the Flora Brasiliensis was to be found in America only at the University of Illinois, Harvard, Columbia, and the Missouri Botanical Garden was incomplete. Copies of this work have turned up at